

Work Order ID 72990

Tuesday, August 23, 2011 8:31:39 AM



Page 1

Item ID: D412-783-011

Accept



Setup Start



Revision ID:

Stop



Item Name: Gross Weight Towing

Start Date: 8/23/2011 Start Qty: 2.00



Cust Item ID:

Required Date: 8/29/2011 Req'd Qty: 2.00



Customer:

Reference:

Run Start

Approvals: Process Plan: *R*

Date: 8-23-11

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D3943

D

IIN-D412-783

C

100

0.00



DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPPD412-783-011 CHG 004

*Sulor**HJ for BG 11-9-15 (2)*

110

0.00



Packaging

Pick Kit

Memo

0.00

Packaging

*SP**SP 11-09-9*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 72990

Tuesday, August 23, 2011 8:31:40 AM



Page 2

Item ID: D412-783-011

Accept



Setup Start



Revision ID:

Stop



Item Name: Gross Weight Towing

Start Date: 8/23/2011 Start Qty: 2.00



Cust Item ID:

Required Date: 8/29/2011 Req'd Qty: 2.00



Customer:

Reference:

Run Start



Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120



QC

Quality Control

QC4- 100% Inspect kits for completeness

0.00

Memo

0.00

ENSURE CALIBRATION CERT. IS IN IIN PAPER WORK

8/23/27

(72)

130



Packaging

Packaging

0.00

Memo

0.00

Identify and pack for shipping as per PPP D412-783-011

Location: _____
PPP Rev: _____

ca/9/27 (2)

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

11/9/27
mf
11-09-27

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Tuesday, August 23, 2011 8:31:47 AM

Parent Item: D412-783-011

Parent Item Name: Gross Weight Towing





Start Date: 8/23/2011

Required Date: 8/29/2011

Start Qty: 2.00

Required Qty: 2.00

Comments: | IPP Rev:A New Issue 09-06-02 JLM Verified By:EC IPP Rev:B
| @ chg 002 DD 10.02.22 Verified By:EC IPP Rev:C @ chg 004
| DD 11.08.15 DD verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3943-041 		Manufactured	No			110	Each	0.0000	1	2			
Ground Handling Crank Assembly													
D3951-041 		Manufactured	No			110	Each	9.0000	1	2			
Equipment Bag Assembly													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST453		5							
					70024	5				2x			
				ST460		4							
					55714	4							
D3954-1 		Manufactured	No			110	Each	19.0000	2	4			
GWT Pin													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST097		19							
					70030	19				4x			
D3954-3 		Manufactured	No			110	Each	16.0000	2	4			
GWT Knob													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST097		16							
					70023	16				4x			

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

4.0 CALIBRATION**REFERENCE ONLY****4.1 Calibration of the D3943-041 Tow Crank Assembly**

4.1.1 The chain ratchet handle on the D3943-041 Tow Crank Assembly must be calibrated annually to ensure the handle indicates "clicks" when a 3500 lbs – 4000 lbs load has been achieved. To calibrate loosen setscrew that locks the threaded stainless steel ball plunger (Refer to figure 2 for details). Place a load cell inline and ratchet until the 3500 lbs – 4000 lbs has been reached. If the handle clicks before the 3500lbs load then turn plunger clockwise 1/8 turn, remove load and retry. If handle does not click between the 3500lbs and 4000 lbs load, turn plunger 1/8 turn counterclockwise, remove load and retry. Once the handle has been properly set retighten setscrew and test once more.

4.1.2 The Tow Crank Assembly may be returned to DART for calibration, at the operator's expense.

5.0 PARTS LIST

QTY -011	PART NUMBER	DESCRIPTION
X	D412-783-011	GROSS WEIGHT TOWING KIT
1	D3943-041	TOW CRANK ASSEMBLY
1	D3951-041	EQUIPMENT BAG
2	D3954-1	GWT PIN
2	D3954-3	GWT KNOB